

PPL13 PROJECT FACT SHEET

Project Name and Number: Bayou Sale Ridge Protection

Coast 2050 Strategies:

Regional: #10. Protect, restore and maintain ridge functions; #11. Maintain shoreline integrity and stabilize critical shoreline areas.

Coastwide: Maintenance of gulf, bay and lake shoreline integrity; maintain, protect or restore ridge functions.

Mapping Unit: East Cote Blanche Bay (73); Wax Lake Wetlands (60)

Project Location: Region 3, Atchafalaya Basin, St. Mary Parish, along the eastern shoreline of East Cote Blanche Bay from the mouth of Bayou Sale north to the mouth of Yellow Bayou.

Problem: Rapidly eroding shoreline caused by wave energy from East Cote Blanche Bay. Project features will protect the natural ridge functions of the Bayou Sale Ridge and protect the adjacent marshes. Erosion estimates have been estimated at 40-55 LF/year (St. Mary Land & Exploration with Submar Inc. and Coastal Engineering and Environmental Consultants, Inc.)

Goals: Reduce and/or stop shoreline erosion and protect ridge and marsh habitat as well as critical infrastructure. The ridge and marsh area provides critical habitat for Black Bears, neo-tropical migrants, wintering migratory waterfowl, etc.

Proposed Solution: Shoreline protection (approx. 31,680 feet) along East Cote Blanche Bay eastern shoreline.

Preliminary Project Benefits: Estimated loss rate reduction of <25% throughout the project benefited area.

Compatibility with Coast 2050 Criteria:

Wetland Elevation/Sustainability: The project sustains a medium (500-5,000 acres) amount of emergent wetland acres over the project life. Shore protection of 31,680 LF at 38 ft/yr sustains 540 acres.

Ecosystem Influence Area: The project beneficially influences a medium (5,000-30,000 acres) area.

Structural Framework: The project maintains or restores a structural component of the coastal ecosystem that benefits less than 50% of the ecosystem influence area for greater than 20 years.

Infrastructure: The project has a moderate net positive impact on critical infrastructure.

Organism and Material Linkages: Project has moderately less than natural level of access.

Coast 2050 Habitat Objectives: Project has no effect on the habitat objective.

Project Synergy: Project provides a moderate degree of synergy with TV-4 Cote Blanche Hydrologic Restoration.

Preliminary Construction Costs: \$5.4M

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Project Map